

SEQUENCE LISTING

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<120> Arrays and Methods

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<160> 6

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<210> 1

<211> 334

<212> PRT

<213> Homo sapiens

<400> 1

Gly Thr Gly Met Lys Tyr Arg Asn Leu Gly Lys Ser Gly Leu Arg Val
1 5 10 15

Ser Cys Leu Gly Leu Gly Thr Trp Val Thr Phe Gly Gly Gln Ile Ser
20 25 30

Asp Glu Val Ala Glu Arg Leu Met Thr Ile Ala Tyr Glu Ser Gly Val
35 40 45

Asn Leu Phe Asp Thr Ala Glu Val Tyr Ala Ala Gly Lys Ala Glu Val
50 55 60

Ile Leu Gly Ser Ile Ile Lys Lys Lys Gly Trp Arg Arg Ser Ser Leu
65 70 75 80

Val Ile Thr Thr Lys Leu Tyr Trp Gly Gly Lys Ala Glu Thr Glu Arg
85 90 95

Gly Leu Ser Arg Lys His Ile Ile Glu Gly Leu Lys Gly Ser Leu Gln
100 105 110

Arg Leu Gln Leu Glu Tyr Val Asp Val Val Phe Ala Asn Arg Pro Asp
 115 120 125

Ser Asn Thr Pro Met Glu Glu Ile Val Arg Ala Met Thr His Val Ile
 130 135 140

Asn Gln Gly Met Ala Met Tyr Trp Gly Thr Ser Arg Trp Ser Ala Met
 145 150 155 160

Glu Ile Met Glu Ala Tyr Ser Val Ala Arg Gln Phe Asn Met Ile Pro
 165 170 175

Pro Val Cys Glu Gln Ala Glu Tyr His Leu Phe Gln Arg Glu Lys Val
 180 185 190

Glu Val Gln Leu Pro Glu Leu Tyr His Lys Ile Gly Val Gly Ala Met
 195 200 205

Thr Trp Ser Pro Leu Ala Cys Gly Ile Ile Ser Gly Lys Tyr Gly Asn
 210 215 220

Gly Val Pro Glu Ser Ser Arg Ala Ser Leu Lys Cys Tyr Gln Trp Leu
 225 230 235 240

Lys Glu Arg Ile Val Ser Glu Glu Gly Arg Lys Gln Gln Asn Lys Leu
 245 250 255

Lys Asp Leu Ser Pro Ile Ala Glu Arg Leu Gly Cys Thr Leu Pro Gln
 260 265 270

Leu Ala Val Ala Trp Cys Leu Arg Asn Glu Gly Val Ser Ser Val Leu
 275 280 285

Leu Gly Ser Ser Thr Pro Glu Gln Leu Ile Glu Asn Leu Gly Ala Ile
 290 295 300

Gln Val Leu Pro Lys Met Thr Ser His Val Val Asn Glu Ile Asp Asn
 305 310 315 320

Ile Leu Arg Asn Lys Pro Tyr Ser Lys Lys Asp Tyr Arg Ser
 325 330

<210> 2
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 <212> PRT
 <213> Homo sapiens

<400> 2

Gly Leu Gln Phe Tyr Arg Asn Leu Gly Lys Ser Gly Leu Arg Val Ser
 1 5 10 15

Cys Leu Gly Leu Gly Thr Trp Val Thr Phe Gly Gly Gln Ile Thr Asp
 20 25 30

Glu Met Ala Glu Gln Leu Met Thr Leu Ala Tyr Asp Asn Gly Ile Asn
 35 40 45

Leu Phe Asp Thr Ala Glu Val Tyr Ala Ala Gly Lys Ala Glu Val Val
 50 55 60

Leu Gly Asn Ile Ile Lys Lys Lys Gly Trp Arg Arg Ser Ser Leu Val
 65 70 75 80

Ile Thr Thr Lys Ile Phe Trp Gly Gly Lys Ala Glu Thr Glu Arg Gly
 85 90 95

Leu Ser Arg Lys His Ile Ile Glu Gly Leu Lys Ala Ser Leu Glu Arg
 100 105 110

Leu Gln Leu Glu Tyr Val Asp Val Val Phe Ala Asn Arg Pro Asp Pro
 115 120 125

Asn Thr Pro Met Glu Glu Thr Val Arg Ala Met Thr His Val Ile Asn
 130 135 140

Gln Gly Met Ala Met Tyr Trp Gly Thr Ser Arg Trp Ser Ser Met Glu
 145 150 155 160

Ile Met Glu Ala Tyr Ser Val Ala Arg Gln Phe Asn Leu Thr Pro Pro
 165 170 175

Ile Cys Glu Gln Ala Glu Tyr His Met Phe Gln Arg Glu Lys Val Glu
 180 185 190

Val Gln Leu Pro Glu Leu Phe His Lys Ile Gly Val Gly Ala Met Thr
 195 200 205

Trp Ser Pro Leu Ala Cys Gly Ile Val Ser Gly Lys Tyr Asp Ser Gly
 210 215 220

Ile Pro Pro Tyr Ser Arg Ala Ser Leu Lys Gly Tyr Gln Trp Leu Lys
 225 230 235 240

Asp Lys Ile Leu Ser Glu Glu Gly Arg Arg Gln Gln Ala Lys Leu Lys
 245 250 255

Glu Leu Gln Ala Ile Ala Glu Arg Leu Gly Cys Thr Leu Pro Gln Leu
 260 265 270

Ala Ile Ala Trp Cys Leu Arg Asn Glu Gly Val Ser Ser Val Leu Leu
 275 280 285

Gly Ala Ser Asn Ala Asp Gln Leu Met Glu Asn Ile Gly Ala Ile Gln
 290 295 300

Val Leu Pro Lys Leu Ser Ser Ser Ile Ile His Glu Ile Asp Ser Ile
 305 310 315 320

Leu Gly Asn Lys Pro Tyr Ser Lys Lys Asp Tyr Arg Ser
 325 330

<210> 3
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 <212> PRT
 <213> Homo sapiens

<400> 3

Gly Thr Gly Met Lys Tyr Arg Asn Leu Gly Lys Ser Gly Leu Arg Val
 1 5 10 15

Ser Cys Leu Gly Leu Gly Thr Trp Val Thr Phe Gly Ser Gln Ile Ser
 20 25 30

Asp Glu Thr Ala Glu Asp Val Leu Thr Val Ala Tyr Glu His Gly Val
 35 40 45

Asn Leu Phe Asp Thr Ala Glu Val Tyr Ala Ala Gly Lys Ala Glu Arg
 50 55 60

Thr Leu Gly Asn Ile Leu Lys Ser Lys Gly Trp Arg Arg Ser Ser Tyr
 65 70 75 80

Val Ile Thr Thr Lys Ile Phe Trp Gly Gly Gln Ala Glu Thr Glu Arg
 85 90 95

Gly Leu Ser Arg Lys His Ile Ile Glu Gly Leu Arg Gly Ser Leu Glu
 100 105 110

Arg Leu Gln Leu Gly Tyr Val Asp Ile Val Phe Ala Asn Arg Ser Asp
 115 120 125

Pro Asn Cys Pro Met Glu Glu Ile Val Arg Ala Met Thr Tyr Val Ile
 130 135 140

Asn Gln Gly Leu Ala Leu Tyr Trp Gly Thr Ser Arg Trp Gly Ala Ala
 145 150 155 160

Glu Ile Met Glu Ala Tyr Ser Met Ala Arg Gln Phe Asn Leu Ile Pro
 165 170 175

Pro Val Cys Glu Gln Ala Glu His His Leu Phe Gln Arg Glu Lys Val
 180 185 190

Glu Met Gln Leu Pro Glu Leu Tyr His Lys Ile Gly Val Gly Ser Val
 195 200 205

Thr Trp Tyr Pro Leu Ala Cys Gly Leu Ile Thr Ser Lys Tyr Asp Gly
 210 215 220

Arg Val Pro Asp Thr Cys Arg Ala Ser Ile Lys Gly Tyr Gln Trp Leu
 225 230 235 240

Lys Asp Lys Val Gln Ser Glu Asp Gly Lys Lys Gln Gln Ala Lys Val
 245 250 255

Met Asp Leu Leu Pro Val Ala His Gln Leu Gly Cys Thr Val Ala Gln
 260 265 270

Leu Ala Ile Ala Trp Cys Leu Arg Ser Glu Gly Val Ser Ser Val Leu
 275 280 285

Leu Gly Val Ser Ser Ala Glu Gln Leu Ile Glu His Leu Gly Ala Leu

290 295 300
 Gln Val Leu Ser Gln Leu Thr Pro Gln Thr Val Met Glu Ile Asp Gly
 305 310 315 320

 Leu Leu Gly Asn Lys Pro His Ser Lys Lys
 325 330

 <210> 4
 <211> 334
 <212> PRT
 <213> Rattus sp.

 <400> 4

 Gly Thr Gly Met Lys Tyr Arg Asn Leu Gly Lys Ser Gly Leu Arg Val
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 Ser Cys Leu Gly Leu Gly Thr Trp Val Thr Phe Gly Gly Gln Ile Ser
 20 25 30

 Asp Glu Val Ala Glu Arg Leu Met Thr Ile Ala Tyr Glu Ser Gly Val
 35 40 45

 Asn Leu Phe Asp Thr Ala Glu Val Tyr Ala Ala Gly Lys Ala Glu Val
 50 55 60

 Ile Leu Gly Ser Ile Ile Lys Lys Lys Gly Trp Arg Arg Ser Ser Leu
 65 70 75 80

 Val Ile Thr Thr Lys Leu Tyr Trp Gly Gly Lys Ala Glu Thr Glu Arg
 85 90 95

 Gly Leu Ser Arg Lys His Ile Ile Glu Gly Leu Lys Gly Ser Leu Gln
 100 105 110

 Arg Leu Gln Leu Glu Tyr Val Asp Val Val Phe Ala Asn Arg Pro Asp
 115 120 125

 Ser Asn Thr Pro Met Glu Glu Ile Val Arg Ala Met Thr His Val Ile
 130 135 140

 Asn Gln Gly Met Ala Met Tyr Trp Gly Thr Ser Arg Trp Ser Ala Met
 145 150 155 160

Glu Ile Met Glu Ala Tyr Ser Val Ala Arg Gln Phe Asn Met Ile Pro
165 170 175

Pro Val Cys Glu Gln Ala Glu Tyr His Leu Phe Gln Arg Glu Lys Val
180 185 190

Glu Val Gln Leu Pro Glu Leu Tyr His Lys Ile Gly Val Gly Ala Met
195 200 205

Thr Trp Ser Pro Leu Ala Cys Gly Ile Ile Ser Gly Lys Tyr Gly Asn
210 215 220

Gly Val Pro Glu Ser Ser Arg Ala Ser Leu Lys Cys Tyr Gln Trp Leu
225 230 235 240

Lys Glu Arg Ile Val Ser Glu Glu Gly Arg Lys Gln Gln Asn Lys Leu
245 250 255

Lys Asp Leu Ser Pro Ile Ala Glu Arg Leu Gly Cys Thr Leu Pro Gln
260 265 270

Leu Ala Val Ala Trp Cys Leu Arg Asn Glu Gly Val Ser Ser Val Leu
275 280 285

Leu Gly Ser Ser Thr Pro Glu Gln Leu Ile Glu Asn Leu Gly Ala Ile
290 295 300

Gln Val Leu Pro Lys Met Thr Ser His Val Val Asn Glu Ile Asp Asn
305 310 315 320

Ile Leu Arg Asn Lys Pro Tyr Ser Lys Lys Asp Tyr Arg Ser
325 330

<210> 5
<211> 333
<212> PRT
<213> Rattus sp.

<400> 5

Gly Leu Gln Phe Tyr Arg Asn Leu Gly Lys Ser Gly Leu Arg Val Ser
1 5 10 15

Cys Leu Gly Leu Gly Thr Trp Val Thr Phe Gly Gly Gln Ile Thr Asp

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Glu	Met	Ala	Glu	His	Leu	Met	Thr	Leu	Ala	Tyr	Asp	Asn	Gly	Ile	Asn				
	35						40					45							
Leu	Phe	Asp	Thr	Ala	Glu	Val	Tyr	Ala	Ala	Gly	Lys	Ala	Glu	Val	Val				
	50					55					60								
Leu	Gly	Asn	Ile	Ile	Lys	Lys	Lys	Gly	Trp	Arg	Arg	Ser	Ser	Leu	Val				
65					70					75					80				
Ile	Thr	Thr	Lys	Ile	Phe	Trp	Gly	Gly	Lys	Ala	Glu	Thr	Glu	Arg	Gly				
			85						90						95				
Leu	Ser	Arg	Lys	His	Ile	Ile	Glu	Gly	Leu	Lys	Ala	Ser	Leu	Glu	Arg				
			100					105						110					
Leu	Gln	Leu	Glu	Tyr	Val	Asp	Val	Val	Phe	Ala	Asn	Arg	Pro	Asp	Pro				
	115						120					125							
Asn	Thr	Pro	Met	Glu	Glu	Thr	Val	Arg	Ala	Met	Thr	His	Val	Ile	Asn				
	130					135					140								
Gln	Gly	Met	Ala	Met	Tyr	Trp	Gly	Thr	Ser	Arg	Trp	Ser	Ser	Met	Glu				
145					150					155					160				
Ile	Met	Glu	Ala	Tyr	Ser	Val	Ala	Arg	Gln	Phe	Asn	Leu	Ile	Pro	Pro				
				165					170					175					
Ile	Cys	Glu	Gln	Ala	Glu	Tyr	His	Met	Phe	Gln	Arg	Glu	Lys	Val	Glu				
			180					185					190						
Val	Gln	Leu	Pro	Glu	Leu	Phe	His	Lys	Ile	Gly	Val	Gly	Ala	Met	Thr				
	195						200					205							
Trp	Ser	Pro	Leu	Ala	Cys	Gly	Ile	Val	Ser	Gly	Lys	Tyr	Asp	Ser	Gly				
	210					215					220								
Ile	Pro	Pro	Tyr	Ser	Arg	Ala	Ser	Leu	Lys	Gly	Tyr	Gln	Trp	Leu	Lys				
225					230					235					240				
Asp	Lys	Ile	Leu	Ser	Glu	Glu	Gly	Arg	Arg	Gln	Gln	Ala	Lys	Leu	Lys				
				245				250						255					

Glu Leu Gln Ala Ile Ala Glu Arg Leu Gly Cys Thr Leu Pro Gln Leu
260 265 270

Ala Ile Ala Trp Cys Leu Arg Asn Glu Gly Val Ser Ser Val Leu Leu
275 280 285

Gly Ala Ser Asn Ala Glu Gln Leu Met Glu Asn Ile Gly Ala Ile Gln
290 295 300

Val Leu Pro Lys Leu Ser Ser Ser Ile Val His Glu Ile Asp Ser Ile
305 310 315 320

Leu Gly Asn Lys Pro Tyr Ser Lys Lys Asp Tyr Arg Ser
325 330

<210> 6
<211> 330
<212> PRT
<213> Rattus sp.

<400> 6

Gly Thr Gly Met Lys Tyr Arg Asn Leu Gly Lys Ser Gly Leu Arg Val
1 5 10 15

Ser Cys Leu Gly Leu Gly Thr Trp Val Thr Phe Gly Ser Gln Ile Ser
20 25 30

Asp Glu Thr Ala Glu Asp Leu Leu Thr Val Ala Tyr Glu His Gly Val
35 40 45

Asn Leu Phe Asp Thr Ala Glu Val Tyr Ala Ala Gly Lys Ala Glu Arg
50 55 60

Thr Leu Gly Asn Ile Leu Lys Ser Lys Gly Trp Arg Arg Ser Ser Tyr
65 70 75 80

Val Ile Thr Thr Lys Ile Phe Trp Gly Gly Gln Ala Glu Thr Glu Arg
85 90 95

Gly Leu Ser Arg Lys His Ile Ile Glu Gly Leu Gln Gly Ser Leu Asp
100 105 110

Arg Leu Gln Leu Glu Tyr Val Asp Ile Val Phe Ala Asn Arg Ser Asp
 115 120 125

Pro Ser Ser Pro Met Glu Glu Ile Val Arg Ala Met Thr Tyr Val Ile
 130 135 140

Asn Gln Gly Leu Ala Leu Tyr Trp Gly Thr Ser Arg Trp Ser Ala Ala
 145 150 155 160

Glu Ile Met Glu Ala Tyr Ser Met Ala Arg Gln Phe Asn Leu Ile Pro
 165 170 175

Pro Val Cys Glu Gln Ala Glu Asn His Phe Phe Gln Arg Glu Lys Val
 180 185 190

Glu Met Gln Leu Pro Glu Leu Tyr His Lys Ile Gly Val Gly Ser Val
 195 200 205

Thr Trp Ser Pro Leu Ala Cys Ser Leu Ile Thr Ser Lys Tyr Asp Gly
 210 215 220

Gln Val Pro Asp Ala Cys Lys Ala Thr Val Lys Gly Tyr Gln Trp Leu
 225 230 235 240

Lys Glu Lys Val Gln Ser Glu Asp Gly Lys Lys Gln Gln Ala Arg Val
 245 250 255

Thr Asp Leu Leu Pro Ile Ala His Gln Leu Gly Cys Thr Val Ala Gln
 260 265 270

Leu Ala Ile Ala Trp Cys Leu Arg Ser Glu Gly Val Ser Ser Val Leu
 275 280 285

Leu Gly Val Ser Ser Ala Glu Gln Leu Met Glu His Leu Gly Ser Leu
 290 295 300

Gln Val Leu Gly Gln Leu Thr Pro Gln Thr Val Met Glu Ile Asp Ala
 305 310 315 320

Leu Leu Gly Asn Lys Ser His Ser Lys Lys
 325 330